CMS Network Video Surveillance Software

User Manual

Announcement

This manual may not accurately describe on some technical details or contain some printing error. If you could not solve problems occurred in the application process by the user manual, please call at our technology department for relevant operational methods. This manual is subject to change without further notice.

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1 Introduction

1.1 Operating Environment

OS: Microsoft Windows 2000 or above version
CPU: Intel Pentium IV 3.0 GHz or above
RAM: 1G or above
Display: Support 1024×768 resolution or above

1.2 Convention

1. In this manual in order to simplify the description, making the following convention:
2. NVR, IP camera are named as device;
3. **‘Click’** is **‘Single Click the left mouse button’**;
4. **‘Double Click’** is **‘Double Click the left mouse button’**;
5. **‘Right Click’** is **‘Single Click the right mouse button’**;
6. Some pictures are schematic diagrams, please subject to the practical software interface;

1.3 Installation Instructions

CMS supports Windows 7 Home, Ultimate, Enterprise edition and Windows XP SP3 or above edition.

XP System Installation Steps:

1. Install net framework3.5
2. Install vcredist 2008(VC 2008）
3. Install client RVC9X

Win 7 System Installation Steps:

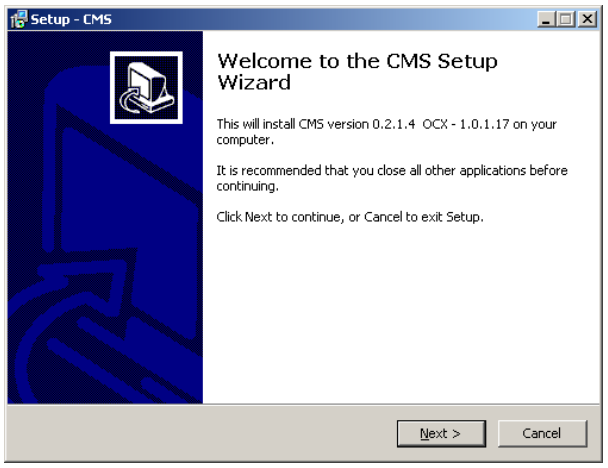
1. Install vcredist 2008(VC 2008）
2. Install client RVC9X

Note: This CMS software can be operated in the 32-bit system.

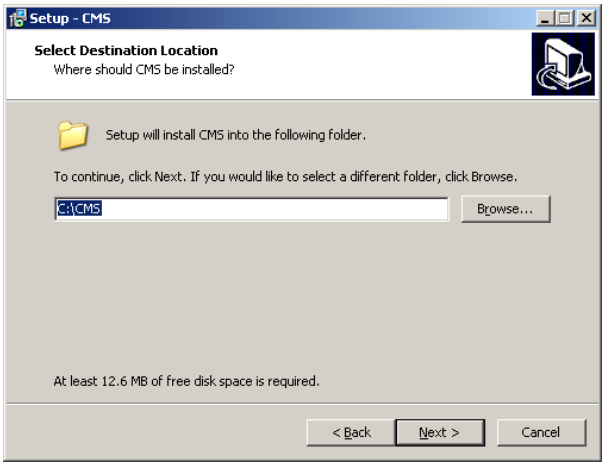
2 Installation and Uninstall

2.1 Installation

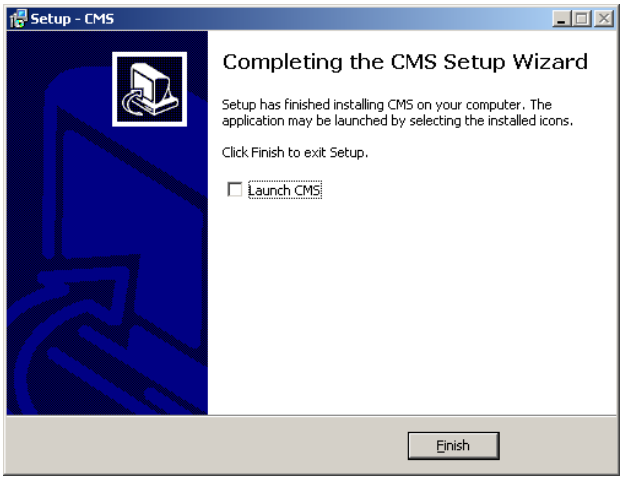
Double Click setup .exe file,
open CMS Setup Wizard, Click **‘Next’**.


Setup - CMS
Welcome to the CMS Setup Wizard
This will install CMS version 0.2.1.4 OCX - 1.0.1.17 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel

Choose Installation Path, click **‘Next’**,
finish the installation according to the wizard.

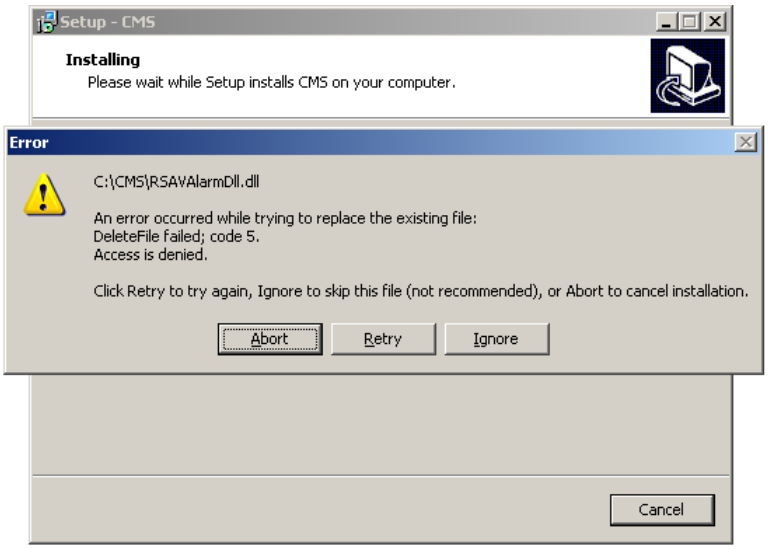

Setup - CMS
Select Destination Location
Where should CMS be installed?
Setup will install CMS into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\CMS
Browse...
At least 12.6 MB of free disk space is required.
< Back
Next >
Cancel

Launch the software


Setup - CMS
Completing the CMS Setup Wizard
Setup has finished installing CMS on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Launch CMS
Finish

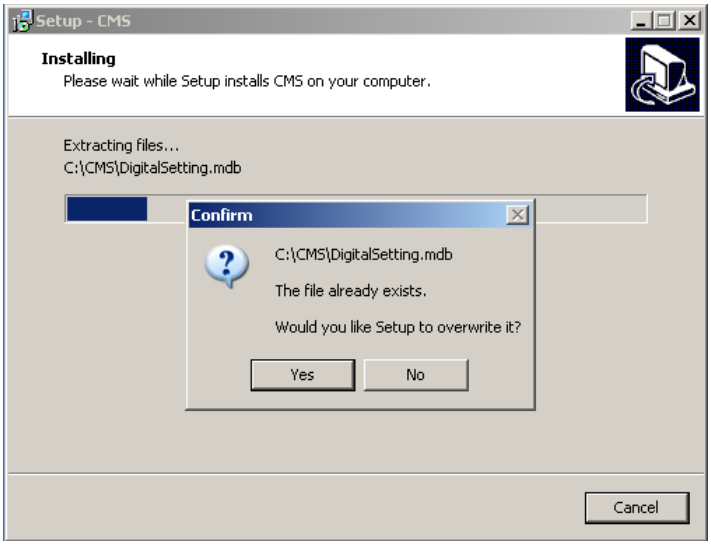
2.2 Uninstall

Enter software uninstall interface, finish the uninstall according to the wizard.


Setup - CMS
Installing
Please wait while Setup installs CMS on your computer.
Error
C:\CMS\RSAVAlarmDll.dll
An error occurred while trying to replace the existing file:
DeleteFile failed; code 5.
Access is denied.
Click Retry to try again, Ignore to skip this file (not recommended), or Abort to cancel installation.
Abort
Retry
Ignore
Cancel

2.3 Repair

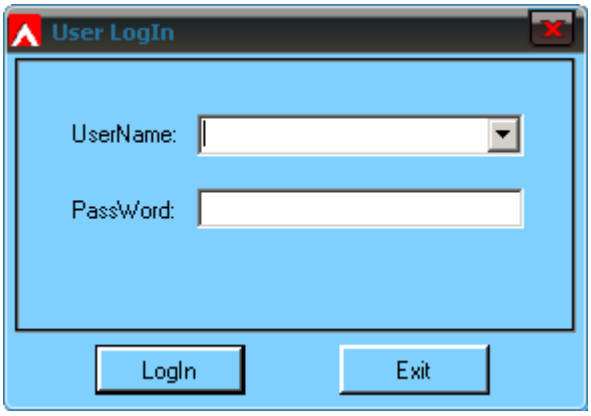
Double click setup file, finish the repair according to the wizard. Please choose original data overwrite or not at the last step.



3 Operation and Use

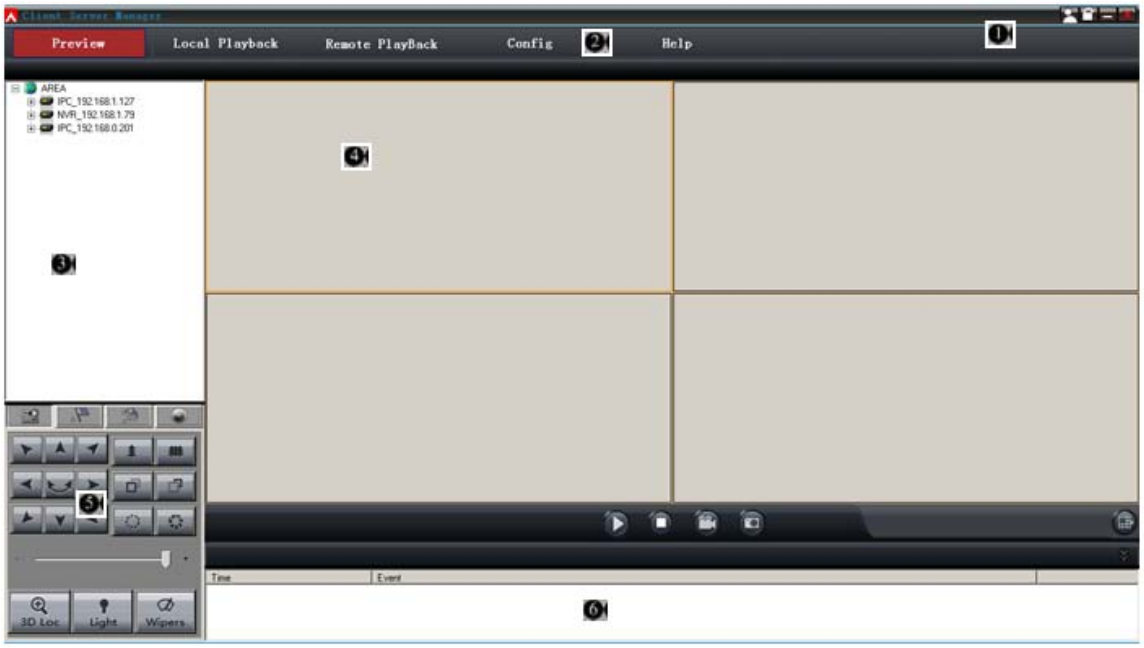
3.1 User Login

Login page will appear as follow. The original **user name: admin; password: admin**



3.2 Software Interface Introduction

Software interface is divided into six main parts, as below:



Software Interface Description:

Zone	Description	Zone	Description
❶	System bar	❷	Tab bar
❸	Device list/groups	❹	Real-time play panel
❺	Control panel	❻	Alarm information list

System bar:

Button	Description
	User switching, click to switch the login user
	Lock button, click again to unlock
	Hide button, click to hide the software into system tray
	Exit button

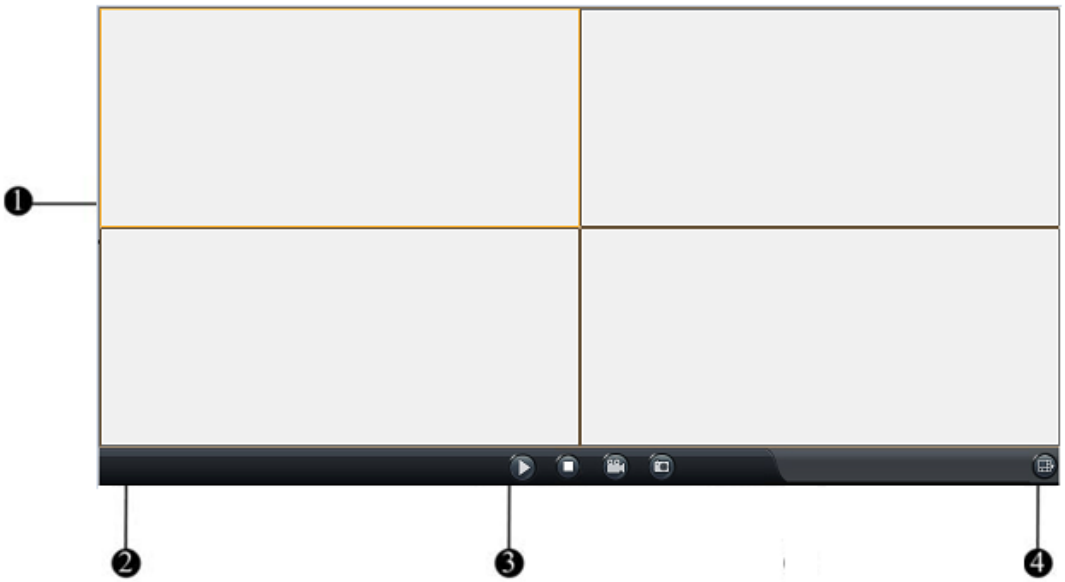
Tab bar: includes the software functions module

Menu	Description
Preview	Enter preview interface
Playback	Enter playback interface, user can choose remote playback, local playback, event playback and motion detection
Configuration	Enter configuration interface
Help	Help button, it will show software manual and edition info

Device list/groups:

Display mode	Description
List mode	Show the devices according to user configuration level

Real-time play panel:

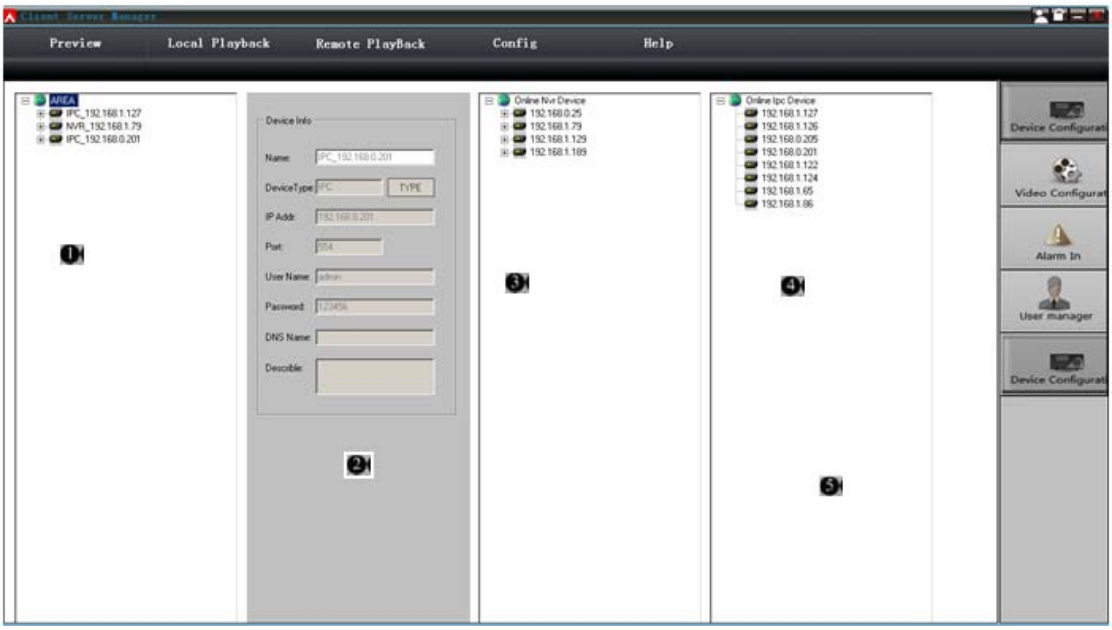


Real-time play panel descriptions as below:

Zone	Description	Zone	Description
❶	Play window	❷	Alarm lamp
❸	Basic function button	❹	Extended function button

4 Device Management

Please add the device first, click **'Config'** to enter device management interface.



Interface descriptions as below:

Zone	Description	Zone	Description
❶	Device list display area	❷	Device info display area
❸	Online NVR list	❹	Online IP camera list
❺		Navigation bar	

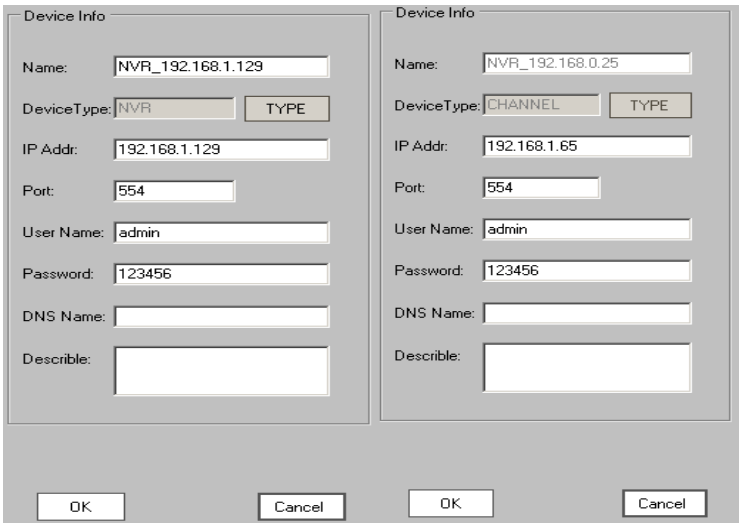
4.1 Device Configuration

4.1.1 NVR Addition

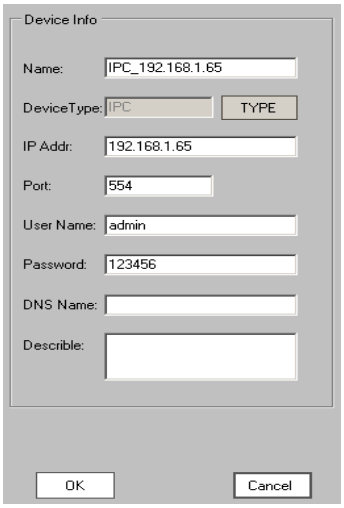
Drag the Online list NVR into Device list. Input the Device name and description in the Device info area, then click 'OK' button.

Drag the Online list IP camera into the corresponding channel of the Device list NVR, then click the 'OK' button

Note: If the IPC is added into Device list as IPC mode or other NVRs in the list add this IPC, then the IPC can't be added into this NVR channel.



4.1.2 Normal IP mode



Drag the Online list IP camera into Device list, input the IP address, User name/Password, Port, Device type, click **'OK'** to finish the addition.

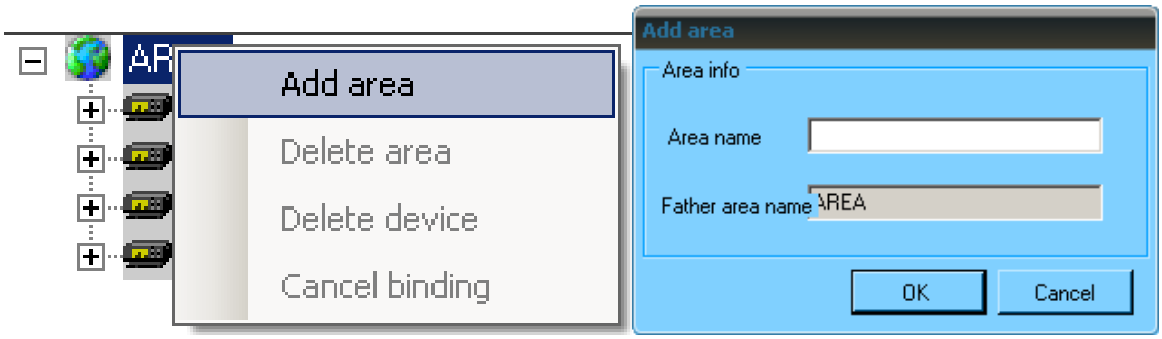
Note: If the IP camera is in the NVR channel, it can't be added into Device list.

Interface descriptions as below:

Item	Descriptions
Name	User-defined device name
Device Type	Device automatic acquisition type
IP Add	Device IP address
Port	Device port, default 554
User Name	Device name
Password	Device password
Discrible	Descriptions of NVR or IPC
DNS Name	Device domain name

4.2 Zone Configuration

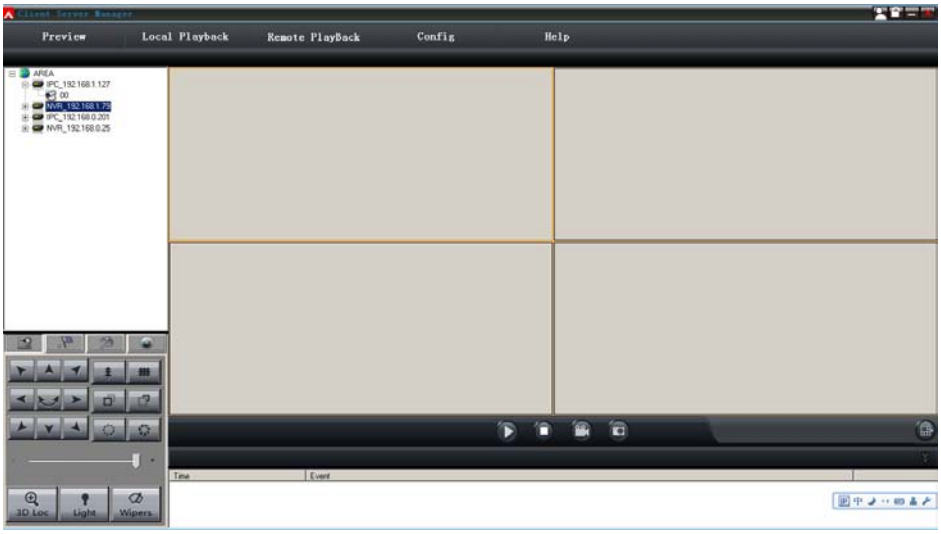
Right Button Area name to add the sub zone. Input Area name and click **'OK'**



⚠ **Note:** The TAB character and spacing in the Area name will be automatically removed. Area name can't include '%', It also can't be Null.'

5 Image Preview

Click **‘Preview’** to enter preview interface. The default display window is 4CH. User can click **‘Split screen’** button to choose multi-images, maximum support 9CH.



Preview interface descriptions as below:

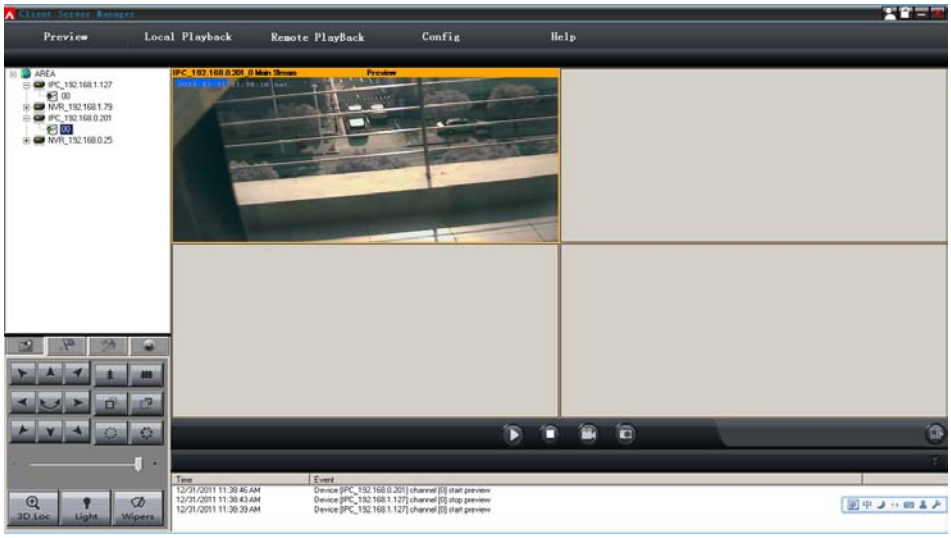
Button	Description	Button	Description
	Play		Record
	Capture		Stop
	Split screen		

5.1 Non-polling Preview

5.1.1 Node Play

1. Double click preview channel to play

Choose 1CH window of the play panel, double click the channel node of the device tree. The chosen play window will display the real-time video.



2. **Click ‘Play’ button to play**

Choose 1CH window of the play panel, click the device of the device tree, then click the **‘Play’** button. The chosen play window will display the real-time video.

3. **Main Stream play**

Choose 1CH window of the play panel, right click the device to choose main stream. Double click the device to display main stream play.

4. **Vice Stream play**

Choose 1CH window of the play panel, right click the device to choose vice stream. Double click the device to display vice stream play.

5.1.2 End Play

Click ‘Stop’ button to stop play

The icon of the real-time play channel is as. User can click the **‘Stop’** button to stop the play. The icon will become. If the device is offline, the icon is as.

Right click image to stop play

Right click the real-time play window, choose **‘Stop Play’** to stop the real-time play and the channel icon will become

5.2 Preview Control

Click to choose multi-image display.

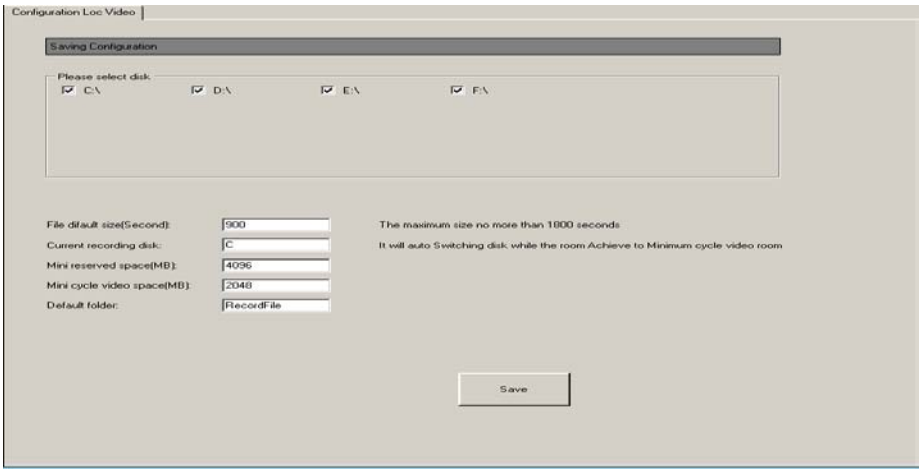
5.3 Recording and Capture

Record and capture need the corresponding channel under real-time status.

5.3.1 Real-time Recording

Save Path Configuration

Click **'Config'** to enter configuration management window, click **'Video Configuration'** button to enter saving configuration window. User can set the saving disk, video file size, minimum reserved space, minimum cycle video space and default folder in the configuration window. Click **'Save'** button to save the settings(Video file and Image are saved in the default folder).



Real-time Recording

Choose 1CH real-time play window。

Click to start record.

The icon will display on the screen.

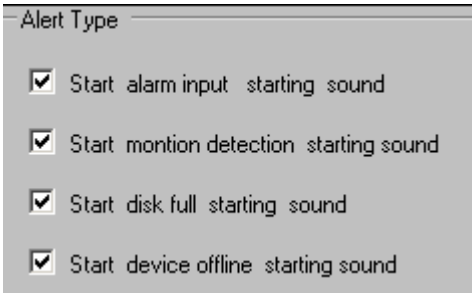
Click againto stop record.

5.3.2 Motion Detection Recording

Right click the play window, choose 'Start Fortify'. If the camera monitors a moving object, there will be a motion detection record. The icon and words information of the current status will be displayed on the screen.

5.3.3 Other Functions

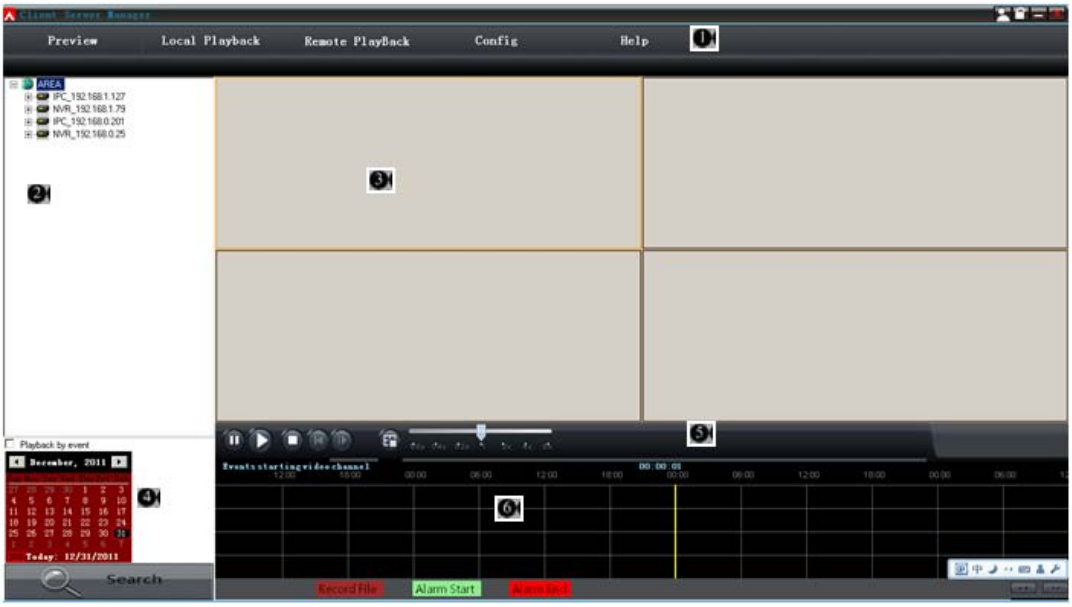
There are 4 alarm types, choose the types you need according to the practical application. There will be an alarm after these conditions are triggered.


Alert Type
Start alarm input starting sound
Start montion detection starting sound
Start disk full starting sound
Start device offline starting sound

6 Local Playback

6.1 **Local Playback**

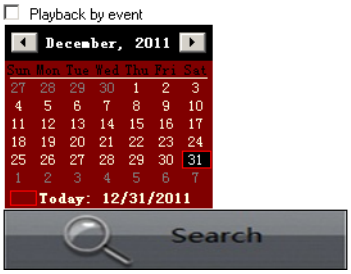
Click Local Playback to enter local play interface.



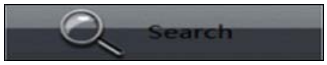
Local Playback descriptions as below:

Zone	Description	Zone	Description
❶	System bar	❷	Device list tree
❸	Playback window	❹	Search panel
❺	Play control panel	❻	Time axis panel

6.1.1 **Record Searching**

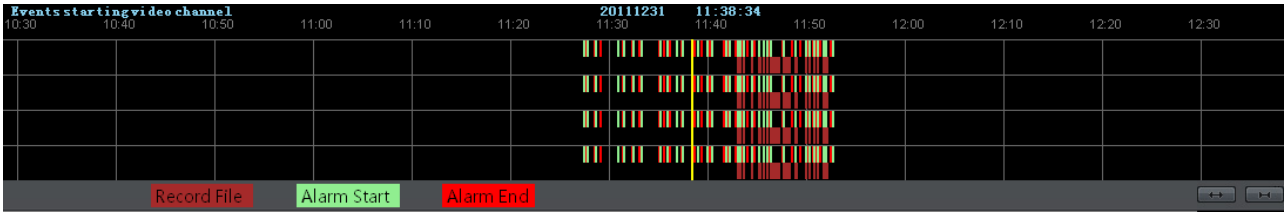


Step 1: Choose the searching type and time of the file.

Step 2: Click 

to search the record file. It will display on the time axis panel if it accords with the search criterias.

Note: Red shows record file and Blue shows motion detection information.



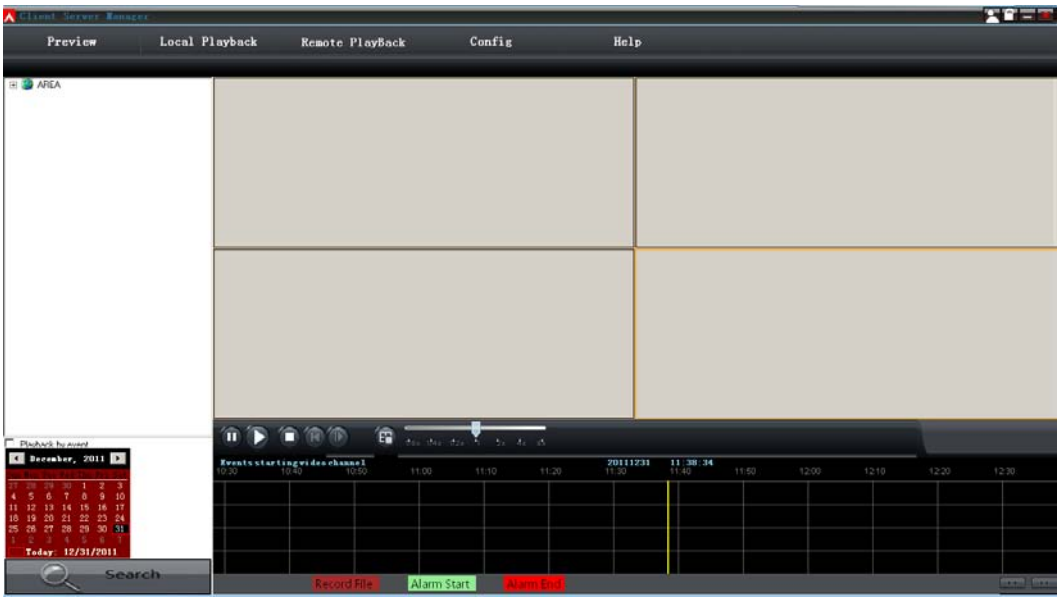
6.1.2 Local File Playback

Click to play the record after the searching. User locate the record on the time axis. Choose the playback channel and double click the channel device. If it exists record file, it will replay from the first record file. Note: Single channel playback supports 2x-1/2x,4x-1/4x,8x-1/8x fast forward and backward, Two channels or above only support 2x-1/2x.

6.1.3 Event Playback

After record searching, choose Playback by event , then click to start the playback. User can locat the file on the time axis.Choose the playback channel and double click the channel device. If it exists record file, it will replay from the first record file. Note: Single channel playback supports 2x-1/2x,4x-1/4x,8x-1/8x fast forward and backward, Two channels or above only support 2x-1/2x.

6.1.4 Playback Control



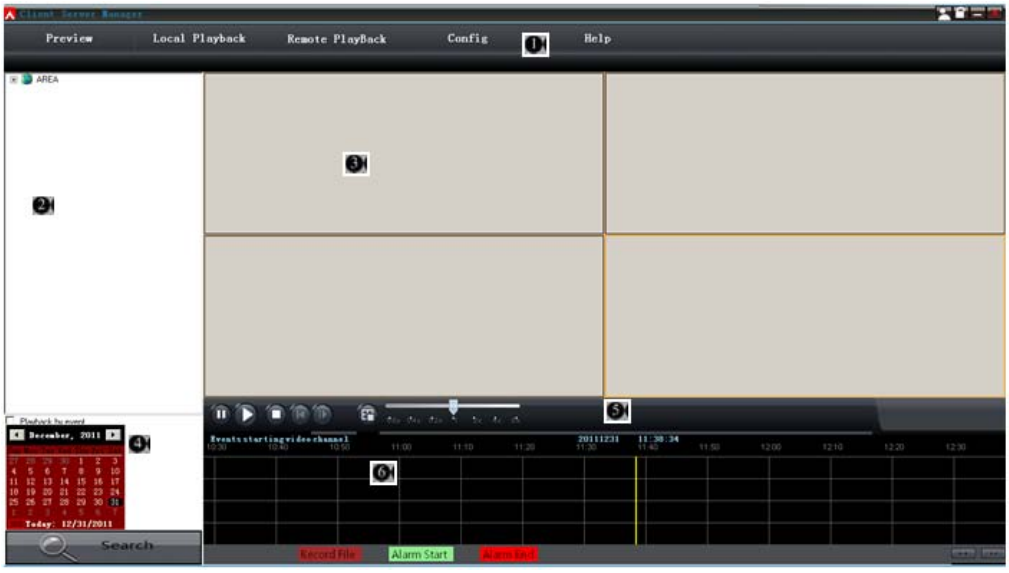
Playback control bar descriptions as below:

Button	Description	Button	Description
	Pause		Volume control
	Stop		Play

6.2 Remote Playback

Click

to enter remote play interface.

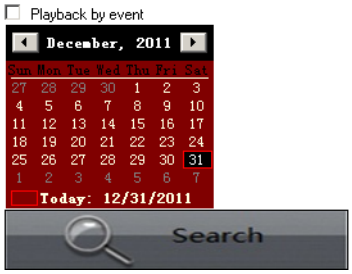


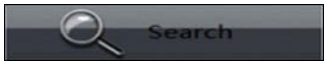
Remote playback interface descriptions as below:

Zone	Description	Zone	Description
❶	System bar	❷	Device list tree
❸	Playback window	❹	Searching panel
❺	Play control panel	❻	Time axis panel

6.2.1 Record Searching

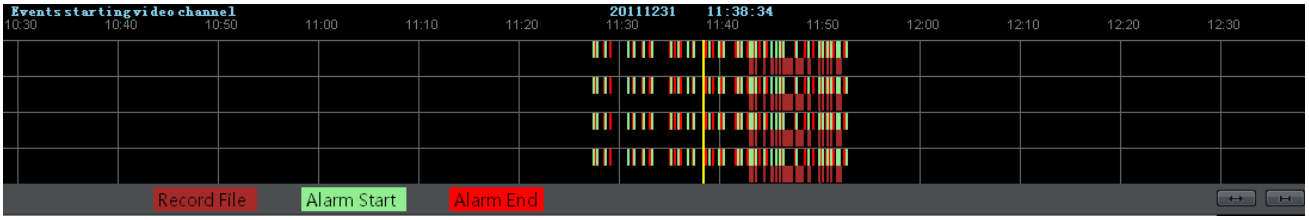
Step 1: Choose the searching type and time of the file.



Step 2: Click 

to search the record file. It will display on the time axis panel if it accords with the search criterias.

Note: Red shows record file and Blue shows motion detection information.



6.2.2 Remote File Playback

Click to play the record after the searching. User locate the record on the time axis. Choose the playback channel and double click the channel device. If it exists record file, it will replay from the first record file.

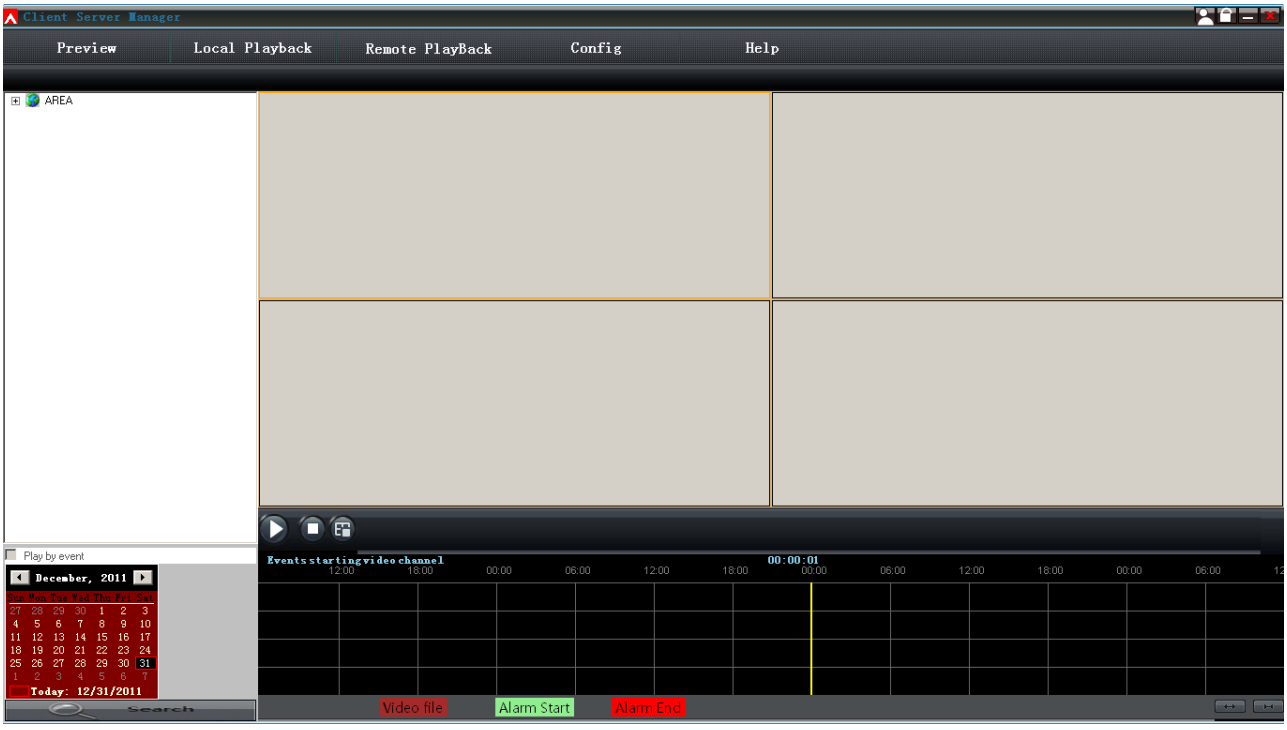
Note: Single channel playback supports 2x-1/2x,4x-1/4x,8x-1/8x fast forward and backward, Two channels or above only support 2x-1/2x.

6.2.3 Event Playback

After record searching, choose Playback by event , then click to start the playback. User can locat the file on the time axis. Choose the playback channel and double click the channel device. If it exists record file, it will replay from the first record file.

Note: Single channel playback supports 2x-1/2x,4x-1/4x,8x-1/8x fast forward and backward, Two channels or above only support 2x-1/2x.

6.2.4 Playback Control

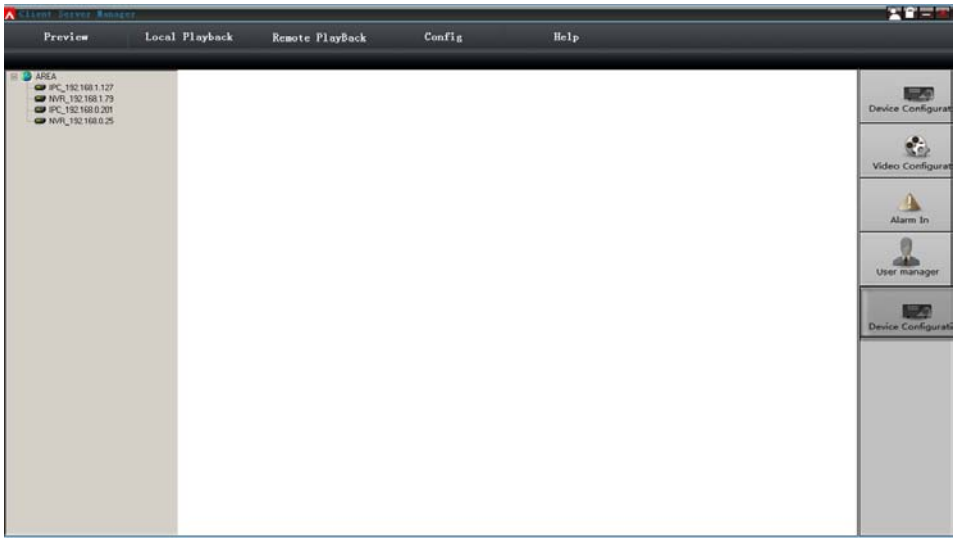


Playback control bar descriptions as below:

Zone	Description	Zone	Description
	Play		Stop all
	Stop		

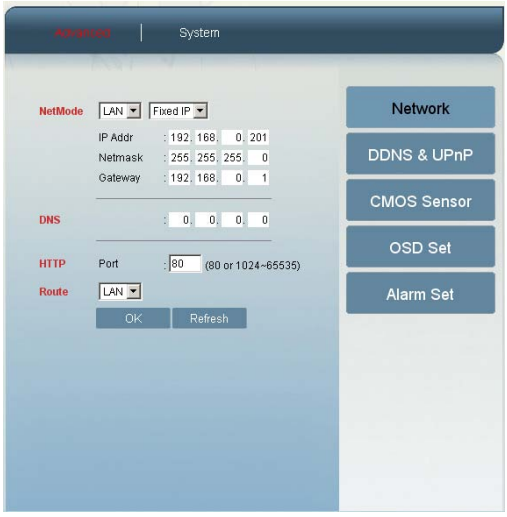
6.3 Remote Configuration

Click ‘Device Configuration’ in the ‘Config’ interface.



6.3.1 IP Camera Remote Configuration

Double click the IP camera of the device list. The configuration interface will be displayed. User can set the IP address, DDNS and other parameters of the camera.



6.3.2 NVR Remote Configuration

Double click the NVR of the device list. The configuration interface will be displayed. User can set the IP address, DDNS, time settings, user management and other functions of the NVR.